Bill I & Final

BR – 245/31-7-14

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183129

Reference to last Measurement 8

Work: Improvements to Roads and Drains at Devinagara, Muneshwara Block., TATA nagara and Kanneramma Temple in wards No. 08, Kodigehalli Sub Division From ..... To .....

Name of Contractor of nature of Agency..... KRIDL Bangalore .....

Date of commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Work order No: EE/BTP/BBMP/KRIDL/WO/58/2013-14 Dated 18/07/2014						
Work code: 008-14-000057						
Est cost: Rs. 50.00 lakh						
Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and average lift upto 0.5m excavated surface etc complete						
Devinagara Road A						
Berm cutting	1	30.00	1.00	0.20	6.00	
	1	30.00	0.95	0.25	7.13	
	1	30.00	0.85	0.20	5.10	
	1	30.00	0.90	0.20	5.40	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	14.00	1.05	0.30	4.41	
	Road B	1	30.00	0.95	0.25	7.13	
		1	30.00	0.90	0.20	5.40	
		1	30.00	1.20	0.25	9.00	
		1	12.70	1.00	0.20	2.54	
	Road C	1	30.00	0.95	0.30	8.55	
		1	30.00	0.95	0.25	7.13	
		1	30.00	1.20	0.25	9.00	
		1	30.00	1.00	0.30	9.00	
		1	30.00	1.00	0.20	6.00	
		1	11.50	0.95	0.25	2.73	
	Road D	1	30.00	1.10	0.30	9.90	
		1	30.00	1.20	0.25	9.00	
		1	30.00	0.85	0.20	5.10	
	Road E	1	30.00	1.10	0.25	8.25	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183130

From ..... To .....

Name and Character of nature of Agency.....

Name of work.....

Description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
		Length	Breadth			
2	3	4	5	6	7	8
	1	30.00	0.55	0.30	8.55	
	1	30.00	1.00	0.20	6.00	
	1	28.00	1.05	0.35	10.29	
1st cross	1	30.00	1.00	0.20	6.00	
	1	16.20	1.00	0.30	4.86	
2nd cross	1	30.00	1.00	0.25	7.50	
	1	15.30	1.20	0.15	2.75	
3rd cross	1	34.60	0.90	0.25	7.79	
	1	18.00	1.00	0.15	2.70	
Drain deepening	1	25.00	0.60	0.35	5.25	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	0.60	0.40	7.20	
		1	9.00	0.60	0.35	1.89	
		1	22.60	0.60	0.40	5.42	
		1	30.00	0.60	0.45	8.10	
		1	22.00	0.60	0.35	4.62	
		1	13.40	0.60	0.40	3.22	
		1	34.10	0.60	0.40	8.18	
						226.63 cm	
					@	65.88/cm	14930=00
3)	Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2m and an average lift upto 0.5m exclusive surface levelled & complete						
	BS Slab Drain Road A	3x2	30.00	0.60	0.60	64.80	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183131

Reference to last Measurement
8

..... From ..... To .....

...nature of Agency.....

...mencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	2	14·00	0·60	0·60	10·08	
Road B	3×2	30·00	0·60	0·60	64·80	
	2	12·70	0·60	0·60	9·14	
Road C	5×1	30·00	0·60	0·60	54·00	
	1	11·50	0·60	0·60	8·28	
Road D	2×3	30·00	0·60	0·60	64·80	
Road E	3×1	30·00	0·60	0·60	64·80	
	1	28·00	0·60	0·60	20·16	
1st cross	2	30·00	0·60	0·60	21·60	
	2	16·20	0·60	0·60	11·66	

4930·00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd cross	2	30.00	0.60	0.60	21.60	
		2	15.30	0.60	0.60	11.02	
	3rd cross	2	34.60	0.60	0.60	24.91	
	4th cross	2	18.00	0.60	0.60	12.96	
	culverts	3	6.20	2.00	1.20	44.64	
		3	6.00	2.00	1.20	43.20	
		3	5.80	2.00	1.20	41.76	
		2	6.10	2.00	1.20	29.28	
		1	6.50	2.00	1.20	15.60	
						529.92 cm	
					@	90.72/cm	48074.00
3)	Removing BS slab drain and stacking as complete						
		1	25.00	-	1.35	33.75	
		1	30.00	-	1.35	40.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183133

Reference to last Measurement
8

..... From ..... To .....

Name of Contractor or nature of Agency.....

Date of commencement of work.....

Description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	1	9·00	-	1·35	12·15	
	1	22·60	-	1·35	30·51	
	1	30·00	-	1·35	40·50	
	2	22·00	-	1·35	59·40	
	2	13·40	-	1·35	36·18	
	1	34·00	-	1·35	46·04	
					283·50 Rm	
				@	50·11 / Rm	14206·00
Providing stone slabs and pointing in CM (1:3) etc complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		As per	Bill Item No: ③			283.50 sq	
					@	70.04 / sq	19856=
5)	providing granite slab of selected quality roughly dressed and fixed in cement mortar (1:6) including curing etc complete 7.5cm thick						
	Name slab Drain						
	Dennagara Road A	4x2	30.00	-	1.35	324.00	
		2	14.00	-	1.35	37.80	
	Road B	2x2	30.00	-	1.35	162.00	
		1	30.00	-	1.35	40.50	
		1	12.70	-	1.35	17.15	
	Road C	5	30.00	-	1.35	202.50	
		1	11.50	-	1.35	15.53	
	Road D	3	30.00	-	1.35	121.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183133

Reference to last Measurement
8

19856=00

From ..... To .....

Name of Contractor or nature of Agency.....

Date of commencement of work.....

Description, etc, of work	Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth	
2	3	4	5	6	7	8
Road B	3	30·00	-	1·35	121·50	
	1	28·00	-	1·35	37·80	
1st cross	2	30·00	-	1·35	81·00	
	2	16·20	-	1·35	43·74	
2nd cross	2	30·00	-	1·35	81·00	
	2	15·30	-	1·35	41·31	
3rd cross	2	34·60	-	1·35	93·42	
4th cross	2	18·00	-	1·35	48·60	
					1460·70 M	
				@	343·44 M	501663·00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6)	providing and laying in position plain cement concrete of mix M 7.5 with opc cement @ 180 kgs using 10 mm and down size crushed granite metal course as complete						
		3	6.20	1.80	0.15	5.60	
		3	6.00	1.80	0.15	4.86	
		3	5.80	1.80	0.15	4.71	
		2	6.10	1.80	0.15	3.30	
		1	6.50	1.80	0.15	1.76	
						18.00 Cum	
						@ 4290.84/cm	77235.00
7)	providing and constructing superstructure with cement course as complete	granite / trap / basalt size stone masonry in mortar (1:6) edges of stones chiselled dressed in					
		3×2	6.20	0.60	0.90	20.10	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183134

Refer to last Measure 8

From ..... To .....

Name of Contractor or nature of Agency.....

Name of work.....

Particulars of description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	3x2	6.00	0.60	0.90	19.44	
	3x2	5.80	0.60	0.90	18.78	
	2x2	6.10	0.60	0.90	13.18	
	1	6.50	0.60	0.90	7.02	
					77.76 cu	
				@	4423.68/cu	343985=00
Providing raked pointing to coarse stone masonry with cement mortar 1:3 20 mm thick in raking joint to depth of 20 mm nicely lining et complete.						
	3x2	6.20	-	0.90	33.48	
	3x2	6.00	-	0.90	32.40	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		3x2	5.80	-	0.90	31.32	
		2	6.50	-	0.90	11.70	
						129.60 sq	
					@	77.76/sq	10078 =
9)	Providing and constructing compressive strength not less than 35 Kg/cm² with cement mortar 1:4 masonry in complete	precast cement concrete solid Blocks with					
		2	25.00	-	0.20	10.00	
		2	30.00	-	0.20	12.00	
		2	9.00	-	0.20	3.60	
		2	22.60	-	0.20	9.04	
		2	30.00	-	0.20	8.80	
		2	22.00	-	0.20	8.80	
		2	13.40	-	0.20	5.36	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183135

Reference to last Measurement 8

..... From ..... To .....

Nature of Agency.....

Name of work.....

Description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	2	34.10	-	0.20	13.64	
					60.00 m	
				e	924.48/m	55469=00
Providing and laying in position Plain cement concrete of mix 1:1:5 with cement coping with 20mm and down size graded granite metal course aggregates in complete						
	3	6.20	1.80	0.10	3.36	
	3	6.00	1.80	0.10	3.24	
	3	5.80	1.80	0.10	3.12	
	2	6.10	1.80	0.10	2.20	
	1	5.50	1.80	0.10	1.17	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Referen to las Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ramp	3x2	6.20	1.00	0.15	5.58	
		3x2	6.00	1.00	0.15	5.40	
		3x2	5.80	1.00	0.15	5.22	
		2x2	6.10	1.00	0.15	3.66	
		2	6.50	1.00	0.15	1.95	
	Solid Block Drain Top & Bottom	2	25.00	0.20	0.10	1.00	
		2	30.00	0.20	0.10	1.20	
		2	9.00	0.20	0.10	0.36	
		2	22.60	0.20	0.10	0.90	
		2	30.00	0.20	0.10	1.20	
		2	22.00	0.20	0.10	0.88	
		2	13.40	0.20	0.10	0.54	
		2	34.10	0.20	0.10	1.36	
						40.56 cy	190247

@ 4690.50/cy

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183136

Reference to last Measurement 8

From ..... To .....

Name of Contractor or nature of Agency.....

Date of commencement of work.....

Description, etc, of work	Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Centering and removing shuttering for vertical surface such as walls at any height in complete.						
Bottom	3	6.20	0.60	-	11.16	
	3	6.00	0.60	-	10.80	
	3	5.80	0.60	-	10.44	
	2	6.10	0.60	-	7.32	
	1	6.50	0.60	-	3.90	
Sides	3x2	6.20	-	0.25	9.30	
	3x2	6.00	-	0.25	9.00	
	3x2	5.80	-	0.25	8.70	
	2x2	6.10	-	0.25	6.10	
	2	6.50	-	0.25	3.25	

190247

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		12x2	1.80	-	0.25	10.80	
	covering slab Bottom	1	25.00	0.60	-	15.00	
		1	30.00	0.60	-	18.00	
		1	9.00	0.60	-	5.40	
		1	22.60	0.60	-	13.56	
		1	30.00	0.60	-	18.00	
		1	22.00	0.60	-	13.20	
		2	13.40	0.60	-	8.04	
		1	34.10	0.60	-	20.46	
		2	25.00	-	0.10	5.00	
		2	30.00	-	0.10	6.00	
		2	9.00	-	0.10	1.80	
						210.00 Lm	
					@	271.08/Lm	56927

M. A. R. 57 (Rule 116)
Measurement Book

No. B

183137

..... From ..... To .....

..... of nature of Agency.....

..... of work.....

Description, etc, of work	Number	Dimensions		Contents	Reference to last Measurement
		Length	Breadth	Depth		
2	3	4	5	6	7	8
... and laying cement concrete using 20 mm and down size granite jelly & ... concrete (RMC) for RCC works laid in 15 cm thick layers and well ... vibrating, curing finishing with necessary ... complete.						
... Deck slab	3	6.20	1.80	0.23	7.71	
	3	6.00	1.80	0.23	7.46	
	3	5.80	1.80	0.23	7.20	
	2	6.10	1.80	0.23	5.06	
	1	6.50	1.80	0.23	2.69	
... covering slab	1	25.00	0.90	0.10	2.25	
	1	30.00	0.90	0.10	2.70	
	1	9.00	0.90	0.10	0.81	
	1	30.00	0.90	0.10	2.70	

...6927=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	22.00	0.90	0.10	1.98	
		1	22.60	0.90	0.10	2.03	
		1	13.40	0.90	0.10	1.21	
		1	34.10	0.90	0.10	3.07	
						43.31 cum	
						@ 6464.88/cum	279984
13)	Providing TMT Steel reinforcement for RCC work including straightening cutting bending hooking placing in position lapping and/or welding where required all complete						
		As per premeasurement Recorded vide pagenos: 183/97-98 & this MB.				32.48 Qtl	
						@ 7450.92/Qtl	242025

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183138

Reference to last Measurement 8

Name .....

Work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
		Length	Breadth			
2	3	4	5	6	7	8
Supplying & spreading stone metal layer upto 75 mm thick along with their bituminous material as complete including breaking up scarified materials and stacking & old serviceable materials						
Dematagoda Road A	1	30.00	$\frac{(3.8+3.6)}{2}$	-	111.00	
	1	30.00	$\frac{(3.6+4.4)}{2}$	-	120.00	
	1	30.00	$\frac{(4.4+3.6)}{2}$	-	120.00	
	1	30.00	$\frac{(3.6+4.3)}{2}$	-	118.50	
	1	14.00	$\frac{(4.3+5.0)}{2}$	-	65.10	
Dematagoda Road B	1	30.00	$\frac{(5.0+5.4)}{2}$	-	156.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to level Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(5.4+5.0)}{2}$	-	156.00	
		1	30.00	$\frac{(5.0+4.3)}{2}$	-	139.50	
		1	12.20	$\frac{(4.3+4.8)}{2}$	-	57.79	
	Road C	1	30.00	$\frac{(4.0+4.4)}{2}$	-	126.00	
		1	30.00	$\frac{(4.4+3.9)}{2}$	-	124.50	
		1	30.00	$\frac{(3.9+3.3)}{2}$	-	108.00	
		1	30.00	$\frac{(3.3+3.9)}{2}$	-	102.00	
		1	30.00	$\frac{(3.50+4.0)}{2}$	-	112.50	
		1	11.50	$\frac{(4.0+4.1)}{2}$	-	46.58	
	Road D	1	30.00	$\frac{(5.5+5.1)}{2}$	-	159.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183130

Reference to last Measurement 8

From ..... To .....

Name/Contractor of nature of Agency.....

Date of commencement of work.....

Particulars, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
		Length	Breadth			
2	3	4	5	6	7	8
	1	30.00	$\frac{(5.1+4.9)}{2}$	-	150.00	
	1	30.00	$\frac{(4.9+5.1)}{2}$	-	150.00	
Road D	1	30.00	$\frac{(4.2+4.9)}{2}$	-	136.50	
	1	30.00	$\frac{(4.9+5.2)}{2}$	-	151.50	
	1	30.00	$\frac{(5.2+4.8)}{2}$	-	150.00	
	1	28.00	$\frac{(4.8+6.0)}{2}$	-	151.20	
1st cross	1	30.00	$\frac{(6.0+5.5)}{2}$	-	172.50	
	1	16.20	$\frac{(5.5+3.1)}{2}$	-	69.66	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd cross	1	30.00	(5.3+5.1)/2	-	156.00	
		1	15.30	(5.1+6.0)/2	-	84.92	
	3rd cross	1	34.60	(5.5+6.5)/2	-	207.60	
	4th cross	1	18.00	(5.1+5.2)/2	-	92.70	
						3485.00 m	
					@	72.79/m	253673=
15)	providing laying spreading and compacting crushed stone aggregate in wet mix macadam specification including premixing the materials with water at one in mechanical mix plant etc complete						
	Pennagaram Road A	4	30.00	0.90	0.20	21.60	
	UGD cutting portion	1	14.00	0.90	0.20	2.52	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183140

From ..... To .....

Nature of Agency .....

Description of work .....

Description, etc. of work	Number	Dimensions			Contents	Reference to last Measurement
		Length	Breadth	Depth		
1	3	4	5	6	7	8
Road B	3	30.00	0.90	0.20	16.20	
	1	12.70	0.90	0.20	2.29	
Road C	5	30.00	0.90	0.20	27.00	
	1	11.50	0.90	0.20	2.07	
Road D	3	30.00	0.90	0.20	16.20	
Road E	3	30.00	0.90	0.20	16.20	
	1	28.00	0.90	0.20	5.04	
1st cross	1	30.00	0.90	0.20	5.40	
	1	16.20	0.90	0.20	2.92	
2nd cross	1	30.00	0.90	0.20	5.40	
	1	15.30	0.90	0.20	2.75	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd cross	1	34.60	0.90	0.20	6.23	
	4th cross	1	18.00	0.90	0.20	3.24	
	Road surface						
	Deniyagara Road A	1	30.00	$\frac{(3.8+3.6)}{2}$	0.20	22.20	
		1	30.00	$\frac{(3.6+4.4)}{2}$	0.20	24.00	
		1	30.00	$\frac{(4.4+3.6)}{2}$	0.20	24.00	
		1	30.00	$\frac{(3.6+4.3)}{2}$	0.20	23.70	
		1	16.00	$\frac{(4.3+5.0)}{2}$	0.20	13.04	
	Road B	1	30.00	$\frac{(5.0+5.4)}{2}$	0.20	31.20	
		1	30.00	$\frac{(5.4+5.0)}{2}$	0.20	31.20	
		1	30.00	$\frac{(5.0+4.3)}{2}$	0.20	27.90	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183141

Reference to last Measurement 8

..... From ..... To .....

of nature of Agency.....

of work.....

Name and description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
		Length	Breadth	Depth		
2	3	4	5	6	7	8
	1	12.70	$\frac{(4.3+4.8)}{2}$	0.20	4.58	
Road C	1	30.00	$\frac{(4.10+4.4)}{2}$	0.20	25.20	
	1	30.00	$\frac{(4.4+3.8)}{2}$	0.20	24.90	
	1	30.00	$\frac{(3.9+3.3)}{2}$	0.20	21.60	
	1	30.00	$\frac{(3.3+3.5)}{2}$	0.20	20.40	
	1	30.00	$\frac{(3.5+4.0)}{2}$	0.20	22.50	
	1	11.50	$\frac{(4.0+4.1)}{2}$	0.20	9.32	
Road D	1	30.00	$\frac{(5.5+5.1)}{2}$	0.20	31.80	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(5.1+4.9)}{2}$	0.20	30.00	
		1	30.00	$\frac{(4.9+5.1)}{2}$	0.20	30.00	
	12ocol B	1	30.00	$\frac{(4.2+4.9)}{2}$	0.20	20.48	
		1	30.00	$\frac{(4.9+5.2)}{2}$	0.20	30.30	
		1	30.00	$\frac{(5.2+4.8)}{2}$	0.20	30.00	
		1	28.00	$\frac{(4.8+6.0)}{2}$	0.20	30.24	
	1st cross	1	30.00	$\frac{(6.0+5.5)}{2}$	0.15	25.88	
		1	16.20	$\frac{(5.5+3.1)}{2}$	0.20	13.93	
	2nd cross	1	30.00	$\frac{(5.3+5.1)}{2}$	0.15	23.40	
		1	15.30	$\frac{(5.1+6.0)}{2}$	0.20	16.98	
	3rd cross	1	34.60	$\frac{(5.5+6.5)}{2}$	0.20	41.52	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183142

Reference to last Measurement
8

..... From ..... To .....

Nature of Agency.....

Commencement of work.....

Description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
4th cross	1	18.00	$\frac{(5.1+5.2)}{2}$	0.20	18.24	
					805.60 cm	
				@	1121.04/cm	903110=00
Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small pieces sweeping with brooms or rough brushes and finally dusting with old gunny bags complete as per Item No. (12)					3485.00 sq m	
				@	10.53/sq m	36697=00
Providing and applying primer coat from 12.2 to 14.6 kg per 10 sqm for surface of high penetrating over prepared surface of granular base with cut back MC 70 or any other						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	bitumen mixed with spray set (excluding cleaning of Road surface) eg						
	alig wide Item No (16)					3485.00 sq	
						@ 142.07 / sq	495114.-
18)	Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 mm batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed etc complete						
	Devinagara Road A						
		1	30.00	(3.8+3.6)/2	0.025	2.78	
		1	30.00	(3.6+4.4)/2	0.025	3.00	
		1	30.00	(4.4+3.6)/2	0.025	3.00	
		1	30.00	(3.6+4.3)/2	0.025	2.96	
		1	14.00	(4.3+5.0)/2	0.025	1.63	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183143

Refere... to las... Measure... 8

... From ..... To .....

... nature of Agency.....

... of work.....

Final description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Road B	1	30·00	(5·0 + 5·4) / 2	0·025	3·80	
	1	30·00	(5·4 + 5·0) / 2	0·025	3·90	
	1	30·00	(5·0 + 4·3) / 2	0·025	3·49	
	1	12·20	(4·3 + 4·8) / 2	0·025	1·44	
Road C	1	30·00	(4·0 + 4·4) / 2	0·025	3·15	
	1	30·00	(4·4 + 3·9) / 2	0·025	3·11	
	1	30·00	(3·9 + 3·3) / 2	0·025	2·70	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road D	1	30.00	$\frac{(3.3+3.5)}{2}$	0.025	2.55	
		1	30.00	$\frac{(3.5+4.0)}{2}$	0.025	2.81	
		1	11.50	$\frac{(4.0+4.1)}{2}$	0.025	1.16	
		1	30.00	$\frac{(5.5+5.1)}{2}$	0.025	3.98	
		1	30.00	$\frac{(5.1+4.9)}{2}$	0.025	3.75	
		1	30.00	$\frac{(4.9+5.1)}{2}$	0.025	3.75	
		1	30.00	$\frac{(4.2+4.9)}{2}$	0.025	3.41	
		1	30.00	$\frac{(4.9+5.2)}{2}$	0.025	3.78	
		1	30.00	$\frac{(5.2+4.8)}{2}$	0.025	3.75	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183144

Reference to last Measurement 8

..... From ..... To .....

[illegible] of nature of Agency.....

[illegible]ement of work.....

[illegible]description, etc, of work 2	Number 3	Dimensions Length 4	Dimensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1	28.00	$\frac{(4.8+6.0)}{2}$	0.025	3.78	
1st cross	1	30.00	$\frac{(6.0+5.5)}{2}$	0.025	4.31	
	1	16.20	$\frac{(5.5+3.1)}{2}$	0.025	1.74	
2nd cross	1	30.00	$\frac{(5.3+5.1)}{2}$	0.025	3.90	C&FE
	1	15.30	$\frac{(5.1+6.0)}{2}$	0.025	2.12	
3rd cross	1	34.60	$\frac{(5.5+6.5)}{2}$	0.025	5.19	
4th cross	1	18.00	$\frac{(5.1+5.2)}{2}$	0.025	2.32	30/7/2014

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						87.13 cum	
					@	9981.36/cum	869[illegible]
19)	Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading etc complete.						
		Qty vide Item Nos.			①+②	680.80 cum	
					@	72.71	49508[illegible]
				Sub Total			4462467[illegible]
				KRIDL charges @ 4%			490871[illegible]
				TPI charges @ 1%			44625[illegible]
				Grand Total			4997963[illegible]

M. A. R. 57 (Rule 116)
Measurement Book

No. B 183145

Reference to last Measurement 8

..... From ..... To .....

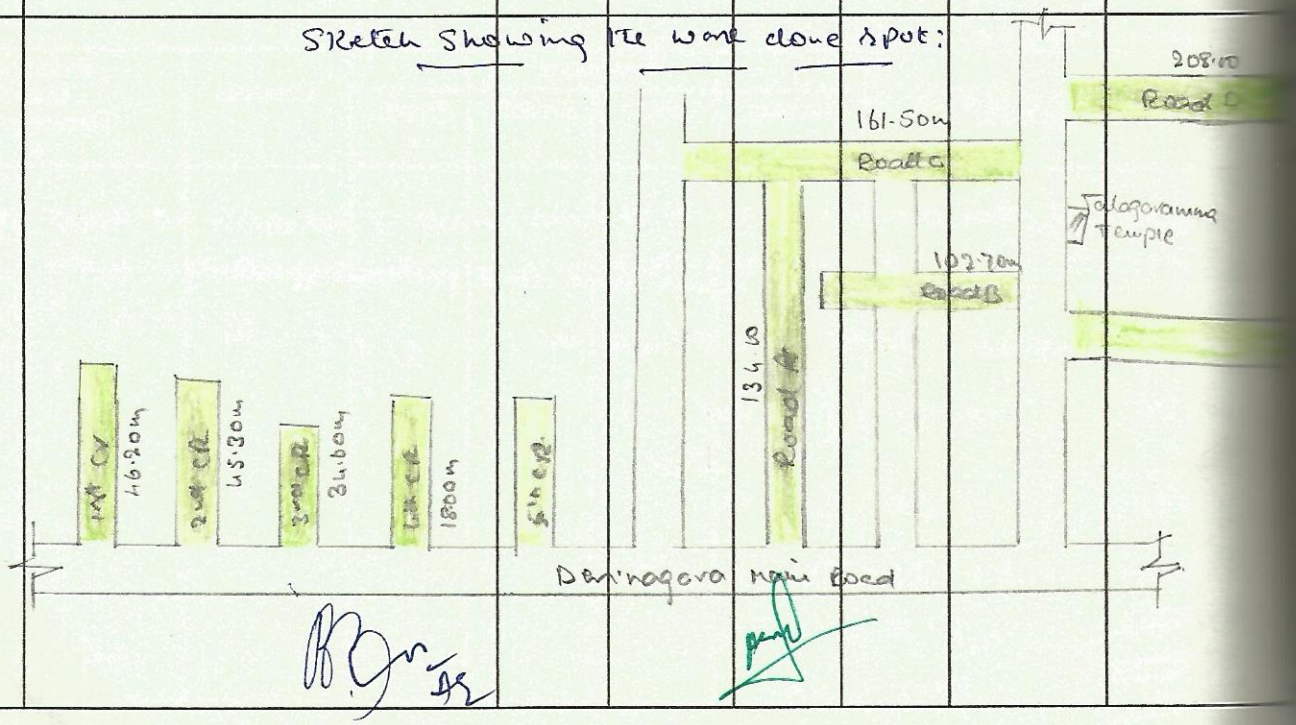
Name and nature of Agency.....

Date of commencement of work.....

Description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Certificate: certified that the above work done is satisfactory. C/F all items are correct D. K. Mallikarjuna						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to M. Meas.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sketch showing the work done spot:						



M. A. R. 57 (Rule 116)
Measurement Book

No. B 183146

Reference to last Measurement ..... From ..... To .....

8 Description of nature of Agency.....

Commencement of work.....

Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
		Length	Breadth			
2	3	4	5	6	7	8
				IT	99066	
				VAT	198133	
				FSD	321966	
				WC	49533	
				CSR	4953	
				Roy	60178	
				Total	733809 =	

4953317 =00
733809 =
4219508 =00